PHNIP Country Health Statistical Report

Indonesia

September 2002





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About the Report

Released September 2002

This report is one of a series of Country Health Statistical Reports produced by the Population, Health and Nutrition Information (PHNI) Project. Each profile contains statistical data on current health conditions, population dynamics, health and family planning behavior, and health and population trends in a given developing country. Information is compiled from PHNI's health statistics database, which draws data from a diverse range of sources listed at the end of this profile.

Hard copy editions of PHNI's profiles are available from our publications department. Reports will soon be available on the USAID Global Health Web site in Portable Document Format (.pdf). Any feedback you have on the content or presentation of this report would be greatly appreciated. We would also appreciate receiving any more recent, more accurate, or more representative information. Contact us at the following:



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I. Statistical Overview

*see data notes

Demographic Indicators	Demographic Indicators											
Indicator	Value	Data Unit	Year	Source								
Total Population	228,437,872		2001	BUCEN - IDB-2000								
Population Growth Rate	1.6	%	2001	BUCEN - IDB-2000								
Percent Urban	39.8	%	1999	World Bank/WDI-2001								
Women, 15-19	10,910,976		2002	BUCEN - IDB-2000								
Women, 15-49	64,281,992		2002	BUCEN - IDB-2000								
Life Expectancy at Birth	68.3		2001	BUCEN - IDB-2000								
Crude Birth Rate	22.3	per 1,000	2001	BUCEN - IDB-2000								
Crude Death Rate	6.3	per 1,000	2001	BUCEN - IDB-2000								
Number of Live Births	5,085	000s	2001	BUCEN - IDB-2000								

Socioeconomic Indicators	Socioeconomic Indicators											
Indicator	Value	Data Unit	Year	Source								
GNI per Capita (PPP)	2,660	\$	1999	World Bank/WDI-2001								
Health Expenditure as Percentage of GDP	1.6	%	1990-1998	World Bank/WDI-2001								
Physicians per 1,000 People	0.17		1990-1998	World Bank/WDI-2001								
Adult Literacy Rate	86.3	%	1999	World Bank/WDI-2001								
Adult Literacy Rate, Female	81.3	%	1999	World Bank/WDI-2001								
Adult Literacy Rate, Male	91.5	%	1999	World Bank/WDI-2001								
Gross Enrollment Rate - Primary School	113.6	%	1997	UNESCO-2000								
Gender Parity Index - Net Enrollment Rate	0.96		1997	UNESCO-2000								
Access to an Improved Water Source (Rural)	65	%	2000	World Bank/WDI-2001								
Access to an Improved Water Source (Urban)	91	%	2000	World Bank/WDI-2001								
Access to Improved Sanitation Facilities (Rural)	52	%	2000	World Bank/WDI-2001								
Access to Improved Sanitation Facilities (Urban)	87	%	2000	World Bank/WDI-2001								

Family Planning Indicators											
Indicator	Value	Data Unit	Year	Source							
Total Fertility Rate (BUCEN)	2.6		2001	BUCEN - IDB-2000							
Total Fertility Rate (DHS)	2.8		1997	Indonesia DHS-1997							
Contraceptive Prevalence Rate, Modern Methods, All Women	51.2	%	1997	Indonesia DHS-1997							
Contraceptive Prevalence Rate, Modern Methods, Married Women	54.7	%	1997	Indonesia DHS-1997							
Median Age of Sexual Debut Among Women, Ages 25-49	19.6		1997	Indonesia DHS-1997							
Mean Ideal Family Size	2.9		1997	Indonesia DHS-1997							
Women 20-24 Who Gave Birth Before Age 20	31.4	%	1997	Indonesia DHS-1997							

Maternal Health Indicators										
Indicator	Value	Data Unit	Year	Source						
Maternal Mortality Ratio (DHS)		Data Not A	vailable							
Maternal Mortality Ratio (WHO/Hill)	472	Per 100,000 live births	1995	WHO/Hill-2001						
Antenatal Care (at least 1 visit)	92.8	%	1997	Indonesia DHS-1997						
Antenatal Care (2+ visits)	89.3	%	1997	Indonesia DHS-1997						
Antenatal Care (4+ visits)	71.2	%	1997	Indonesia DHS-1997						
Assisted Delivery by a Health Professional	49.1	%	1997	Indonesia DHS-1997						
Assisted Delivery by Doctor	7	%	1997	Indonesia DHS-1997						
Assisted Delivery by Other Health Professional	42.1	%	1997	Indonesia DHS-1997						

Child Survival Indicators										
Indicator	Value	Data Unit	Year	Source						
Acute Respiratory Infection (ARI) and Oral Rehydration Therapy (ORT)										
ARI Treatment - Children Under 5	68.8	%	1997	Indonesia DHS-1997						
ORT Use Rate (ORS, RHS, or Increased Fluids)	72.5	%	1997	Indonesia DHS-1997						
Mortality Indicators										
Infant Mortality Rate (BUCEN)	40	per 1,000 live births	2002	BUCEN - IDB-2000						
Infant Mortality Rate (DHS)	45.7	per 1,000 live births	1997	Indonesia DHS-1997						
Infant Mortality Rate, Females (BUCEN)	34	per 1,000 live births	2002	BUCEN - IDB-2000						
Infant Mortality Rate, Males (BUCEN)	45	per 1,000 live births	2002	BUCEN - IDB-2000						
Under-5 Mortality Rate (BUCEN)	52.9	per 1,000 live births	2001	BUCEN - IDB-2000						
Under-5 Mortality Rate (DHS)	58.2	per 1,000 live births	1997	Indonesia DHS-1997						
Nutrition Indicators			"							
Exclusive Breastfeeding (under 4 mos.)	52	%	1997	Indonesia DHS-1997						
Exclusive Breastfeeding (under 6 mos.)	42.5	%	1997	Indonesia DHS-1997						
Stunted (height-for-age)		Data Not	Available							
Underweight (weight-for-age)		Data Not	Available							
Wasted (weight-for-height)		Data Not	Available							
Vaccination Coverage										
DPT3 Vaccination Rate (DHS)	64.1	%	Indonesia DHS-1997							
Measles Vaccination Rate (DHS)	70.9	%	1997	Indonesia DHS-1997						
Polio Vaccination Rate (DHS)	73.6	%	1997	Indonesia DHS-1997						
Tetanus Toxoid Vaccination	54.2	%	1997	Indonesia DHS-1997						

HIV/AIDS Prevention Indicators										
Indicator	Value	Data Unit	Year	Source						
HIV Prevalence, Adults	0.05	%	1999	UNAIDS-2000						
HIV Prevalance, Females 15-24, High Estimates	0.04	%	1999	UNAIDS-2000						
HIV Prevalance, Females 15-24, Low Estimates	0.02	%	1999	UNAIDS-2000						
HIV Prevalence, Males 15-24, High Estimates	0.04	%	1999	UNAIDS-2000						
HIV Prevalence, Males 15-24, Low Estimates	0.01	%	1999	UNAIDS-2000						
Males Reporting Condom Use With Last Non-Regular Partner	Data Not Available									
Females Reporting Condom Use With Last Non-Regular Partner	Data Not Available									

Infectious Diseases Control Indicators										
Indicator	Value	Data Unit	Year	Source						
TB Incidence Rate	282	per 100,000 pop	1998	WHO/TB Control Report-2001						
TB Case Detection Rate	18.6	%	1998	WHO/TB Control Report-2001						
TB (DOTS) Treatment Success Rate	57.6	%	1998	WHO/TB Control Report-2001						
Malaria	railable									

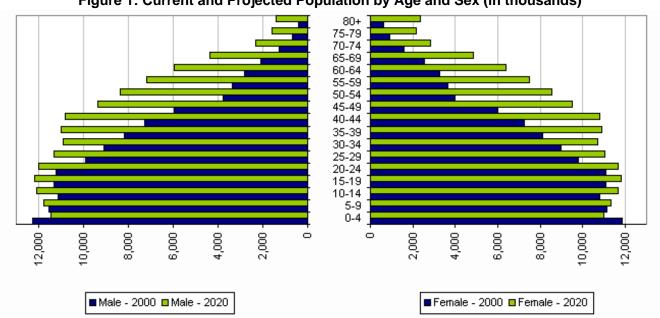


Figure 1: Current and Projected Population by Age and Sex (in thousands)

Table 1.1: Current and Projected Population by Age and Sex

Source: BUCEN - IDB

Age Group	Male - 2000	Male - 2020	Female - 2000	Female - 2020
0-4	12,272,367	11,456,121	11,834,016	10,990,243
5-9	11,529,208	11,756,995	11,145,145	11,306,113
10-14	11,130,527	12,080,430	10,804,442	11,646,445
15-19	11,332,192	12,186,954	11,079,326	11,786,496
20-24	11,231,583	11,998,845	11,060,036	11,658,294
25-29	9,888,128	11,314,014	9,804,944	11,039,694
30-34	9,070,768	10,889,640	8,965,427	10,683,660
35-39	8,180,927	11,018,603	8,121,952	10,908,471
40-44	7,292,156	10,825,060	7,247,796	10,813,786
45-49	5,952,532	9,375,323	5,974,119	9,480,884
50-54	3,770,394	8,352,708	3,962,187	8,517,679
55-59	3,352,440	7,189,067	3,667,374	7,493,075
60-64	2,818,874	5,946,948	3,241,660	6,367,821
65-69	2,091,561	4,353,346	2,524,246	4,858,910
70-74	1,266,163	2,325,606	1,605,987	2,835,893
75-79	664,372	1,601,793	895,036	2,168,775
80+	391,172	1,396,887	615,153	2,363,797

TABLE 1.2: Population Estimates and Projections

Source: BUCEN - IDB

1980	1990	2000	2010	2020
154,935,922	188,650,868	224,784,210	259,743,058	288,988,376

Figure 2: Estimated Total Fertility Rate per Woman

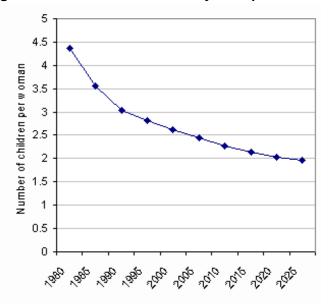


Table 2: Estimated Total Fertility Rate per Woman

Source: BUCEN - IDB

1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
4.4	3.6	3.0	2.8	2.6	2.4	2.3	2.2	2.0	2.0

Figure 3: Infant Mortality Rates / Under-5 Mortality Rates

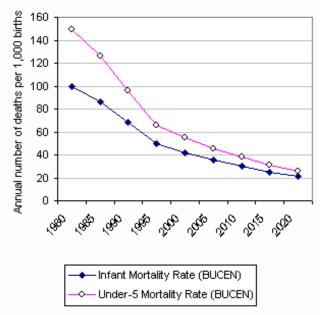


Table 3: Infant Mortality Rates / Under-5 Mortality Rates

Source: BUCEN - IDB 2000

Indicator	1980	1985	1990	1995	2000	2005	2010	2015	2020
Infant Mortality Rate (BUCEN)	99.7	86.4	68.7	49.7	42.2	35.7	30.0	25.2	21.2
Under-5 Mortality Rate (BUCEN)	149.2	125.8	96.2	65.4	54.7	45.6	37.9	31.5	26.2

Figure 4: Vaccination Coverage (DPT3) Trends

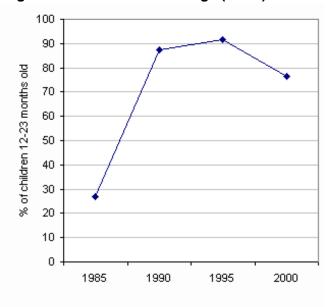


Table 4: Vaccination Coverage (DPT3) Trends

 Source: WHO/Global Summary

 1985
 1990
 1995
 2000

 27.0
 87.6
 91.5
 76.5

Figure 5: Contraceptive Prevalence Rates, Modern Methods, Married Women

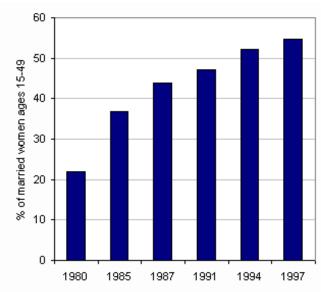


Table 5: Contraceptive Prevalence Rates, Modern Methods, Married Women

Source: Indonesia DHS Ross/TFGI

1980	1985	1987	1991	1994	1997						
21.9	36.9	43.9	47.1	52.1	54.7						

Data Notes

*Indicator definitions that differ from those in the data notes section are identified by footnotes accompanying the indicator tables.

Demograp	hic	Indic	ators
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Total Population The number of people in a given area (i.e., country) in a particular time period (usually a midyear

estimate).

Population Growth Rate The average annual growth rate is the rate of natural increase in a population plus the net migration rate.

The rate of natural increase is the difference between the birth rate and the death rate, but it is

conventionally measured in percentage terms (per hundred rather than per thousand).

Percent Urban The percentage of the midyear population living in areas defined as urban in each country and reported

to the United Nations.

Women, 15-19 The number of women between the ages of 15-19 in the midyear population.

Women, 15-49 The number of women between the ages of 15-49 in the midyear population.

Life Expectancy at Birth The average number of years that a person at age 0 will live if age-specific death rates remain constant.

Life expectancy at birth is highly affected by rates of infant and child death.

Crude Birth Rate The number of births per thousand of the population. The product of the number of live births, divided by

the midpoint population, multiplied by 1,000.

Crude Death Rate The number of deaths per thousand of the population. The product of the number of deaths divided by

the midpoint population, multiplied by 1,000.

Number of Live Births The number of live births, annually, within a country.

Socioeconomic Indicators

GNI per Capita (PPP) The gross national income (GNI) converted to international dollars using purchasing power parity (PPP)

rates. An international dollar has the same purchasing power over GNI as a U.S. dollar has in the United

States.

Health Expenditure as Percentage of GDP Total health expenditures is the sum of public and private health expenditures figured as a percentage of a country's gross domestic product (GDP). It covers the provision of health services (preventive and

curative), family planning activities, nutrition activities, and emergency aid designated for health but does

not include provision of water and sanitation.

Physicians per 1,000 People

Physicians are defined as graduates of any faculty or school of medicine who are working in the country

in any medical field (practice, teaching, research).

Adult Literacy Rate The percentage of people ages 15 and over who can, with understanding, read and write a short, simple

statement about their everyday life.

Adult Literacy Rate, Female

The percentage of women ages 15 and over who can, with understanding, read and write a short, simple

statement about their everyday life.

Adult Literacy Rate, Male The percentage of men ages 15 and over who can, with understanding, read and write a short, simple

statement about their everyday life.

Gross Enrollment Rate - Primary School

Total enrolment in primary level of education, regardless of age, expressed as a percentage of the official school-age population corresponding to primary level of education in give school-year. GER can be over 100% due to the inclusion of over-aged and under-aged pupils/students because of early or late

entrants, and grade repetition.

Gender Parity Index - Net Enrollment Rate

The ratio of the female-to-male net primary school enrollment rates measures progress towards gender equity in school attendance and the level of learning opportunities available for women in relation to those available to men. Calculation Method: Divide the female net primary school enrollment rate by the male net primary school enrollment rate.

Access to an Improved Water Source (Rural)

Access to an improved water source in rural areas. Refers to the percentage of the rural population with reasonable access to an adequate amount of water from an improved source, such as a household connection, public standpipe, borehole, protected well or spring, or rainwater collection. Unimproved sources include vendors, tanker trucks, and unprotected wells and springs. Reasonable access is defined as the availability of at least 20 liters a person a day from a source within one kilometer of the dwelling.

Access to an Improved Water Source (Urban)

Access to an improved water source in urban areas. Refers to the percentage of the urban population with reasonable access to an adequate amount of water from an improved source, such as a household connection, public standpipe, borehole, protected well or spring, or rainwater collection. Unimproved sources include vendors, tanker trucks, and unprotected wells and springs. Reasonable access is defined as the availability of at least 20 liters a person a day from a source within one kilometer of the dwelling.

Access to Improved Sanitation Facilities (Rural)

Access to improved sanitation facilities in rural areas. Refers to the percentage of the rural population with access to at least adequate excreta disposal facilities (private or shared, but not public) that can effectively prevent human, animal, and insect contact with excreta.

Access to Improved Sanitation Facilities (Urban)

Access to improved sanitation facilities in urban areas. Refers to the percentage of the urban population with access to at least adequate excreta disposal facilities (private or shared, but not public) that can effectively prevent human, animal, and insect contact with excreta.

Family Planning Indicators

Total Fertility Rate (BUCEN)

The number of children a woman between ages 15-44 would have during her reproductive life, if, for all of her childbearing years she were to experience the age-specific birth rates for that given year.

Total Fertility Rate (DHS)

The number of children a woman between ages 15-49 would have during her lifetime if she were to bear children at the currently observed rates.

Contraceptive Prevalence Rate, Modern Methods, All Women

Percentage of all women ages 15-49 currently using a modern method of contraception. Modern methods include oral contraceptives, IUDs, injectables, female and male sterilization, all emergency contraception, and barrier methods (diaphragm, foam, jelly, male and female condom).

Contraceptive Prevalence Rate, Modern Methods, Married Women

Percent of currently married ages women 15-49 currently using a modern method of contraception. Modern methods include oral contraceptives, IUDs, injectables, female and male sterilization, all emergency contraception, and barrier methods (diaphragm, foam, jelly, male and female condom).

Median Age of Sexual Debut Among Women, Ages 25-49

Median age of first sexual intercourse for women ages 25-49.

Mean Ideal Family Size

Mean ideal number of children for all women, according to number of living children.

Women 20-24 Who Gave Birth Before Age 20

Percentage of women ages 20-24 who have already given birth or were pregnant with their first child before the age of 20.

Maternal Health Indicators

Maternal Mortality Ratio (DHS)

The estimated number of women who die as a result of pregnancy or childbirth per 100,000 live births, arrived mostly through 'direct sisterhood method'. The use of information reported by a sibling is to expand the sample size and to compensate for the lack of vital registration system.

Maternal Mortality Ratio (WHO/Hill)

The estimated number of women who die as a result of pregnancy or childbirth per 100,000 live births arrived through Hill et al., adjustment procedure depending on the nature of data used.

Antenatal Care (at least 1 visit)

Percentage of women of reproductive age (15-49) who receive at least one antenatal care visit during pregnancy (in the three-year period preceding the survey).

Antenatal Care (2+ visits)

Percentage of women of reproductive age (15-49) who receive at least two antenatal care visits during pregnancy (in the three-year period preceding the survey).

Antenatal Care (4+ visits)	Percentage of women of reproductive age (15-49) who receive four or more antenatal care visits during pregnancy (in the three-year period preceding the survey).
Assisted Delivery by a Health Professional	The percentage of births/deliveries that occur with the assistance of any trained health professional during the five-year period preceding the survey. May include doctors, nurses, midwives, village health workers, or any other trained health professional.
Assisted Delivery by Doctor	The percentage of live births/deliveries that occur with the assistance of a doctor during the five-year period preceding the survey.
Assisted Delivery by Other Health Professional	The percentage of live births/deliveries that occur with the assistance of a nurse, midwife, village health worker, or any other trained health professional besides a doctor during the five-year period preceding the survey.
Child Survival Indicators	
ARI Treatment - Children Under 5	Percentage of children under five years who were ill with an acute respiratory infection (ARI), which is associated with cough, rapid breathing and a high fever, during the two weeks preceding the survey, and who were treated with specific remedies.
ORT Use Rate (ORS, RHS, or Increased Fluids)	Oral Rehydration Therapy (ORT). Percentage of children under age 5 with diarrhea two weeks prior to survey who received increased fluids, oral rehydration solution (ORS) or recommended home solution (RHS).
Infant Mortality Rate (BUCEN)	The estimated annual number of deaths of infants under 12 months in a given year per 1,000 live births in that same year.
Infant Mortality Rate (DHS)	The estimated annual number of deaths of infants under 12 months in a given year per 1,000 live births in that same year (five-year period preceding survey).
Infant Mortality Rate, Females (BUCEN)	The estimated annual number of deaths of female infants under 12 months in a given year per 1,000 live births in that same year.
Infant Mortality Rate, Males (BUCEN)	The estimated annual number of of male infants under 12 months in a given year per 1,000 live births in that same year.
Under-5 Mortality Rate (BUCEN)	Annual number of deaths that occur in children 0-4 years old per 1,000 births.
Under-5 Mortality Rate (DHS)	Annual number of deaths that occur in children 0-4 years old per 1,000 births (five-year period preceding survey).
Exclusive Breastfeeding (under 4 mos.)	Percentage of children under 4 months exclusively breastfed. Exclusive breastfeeding is defined as providing no food or liquid other than breast milk to the child during the 24-hour period before the survey.
Exclusive Breastfeeding (under 6 mos.)	Percentage of children under 6 months exclusively breastfed. Exclusive breastfeeding is defined as providing no food or liquid other than breast milk to the child during the 24-hour period before the survey.
Stunted (height-for-age)	Percentage of children under age five whose height-for-age is below minus-two standard deviations from the median of the reference population.
Underweight (weight-forage)	Percentage of children under age five whose weight-for-age is below minus-two standard deviations from the median of the reference population.
Wasted (weight-for- height)	Percentage of children under age five whose weight-for-height is below minus-two standard deviations from the median of the reference population.
DPT3 Vaccination Rate (DHS)	Proportion of living children 12-23 months old who have received three complete doses of vaccines against diphtheria, pertussis, and tetanus.
Measles Vaccination Rate (DHS)	Percentage of living children who have received one dose of MCV (fully immunized) against measles.
Polio Vaccination Rate (DHS)	Percentage of children receiving three doses of polio vaccine.
Tetanus Toxoid Vaccination	Percentage of pregnant women receiving two (or more) doses of tetanus toxoid (three-year period preceding survey).

HIV/AIDS Prevention Indicators

HIV Prevalence, Adults The estimated number of adults (ages 15-49) living with HIV/AIDS at the end of 1999 divided by the 1999 adult population (ages 15-49).

HIV Prevalance, Females 15-24, High Estimates

HIV prevalence, adolescent females 15-24 for high estimates.

HIV Prevalance, Females 15-24, Low Estimates

HIV prevalence, adolescent females 15-24 for low estimates.

24, High Estimates

HIV Prevalence, Males 15- HIV prevalence, adolescent males 15-24 for high estimates.

24, Low Estimates

HIV Prevalence, Males 15- HIV prevalence, adolescent males 15-24 for low estimates.

Males Reporting Condom **Use With Last Non-Regular Partner**

Among men who have had sex in the last year, percentage who used condoms during their last sexual intercourse with a non-regular partner/non-cohabitating partner.

Females Reporting Condom Use With Last Non-Regular Partner

Among women who have had sex in the last year, percentage who used condoms during their last sexual intercourse with a non-regular partner/non-cohabitating partner.

Infectious Diseases Control Indicators

TB Incidence Rate Total number of TB cases (all types) estimated in a given period of time per 100,000 population.

TB Case Detection Rate TB Case Detection Rate is defined as the percentage of the annual new smear-positive notifications of

the estimated annual new smear-positive incidence.

TB (DOTS) Treatment Success Rate

Malaria

The proportion of smear-positive patients who were cured plus the proportion who completed treatment.

Reported number of cases of malaria during the year for which data reported.

Statistical Sources For Indonesia

World Bank/WDI 2001

BUCEN - IDB 2000	United States Census Bureau (BUCEN), International Programs Center. International Database. Web site revision dated October 2000.
Indonesia DHS 1987	Central Bureau of Statistics, National Family Planning Coordinating Board, and Institute for Resource Development/Westinghouse. Indonesia National Contraceptive Prevalence Survey 1987. Columbia, MD: IRD, 1989.
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